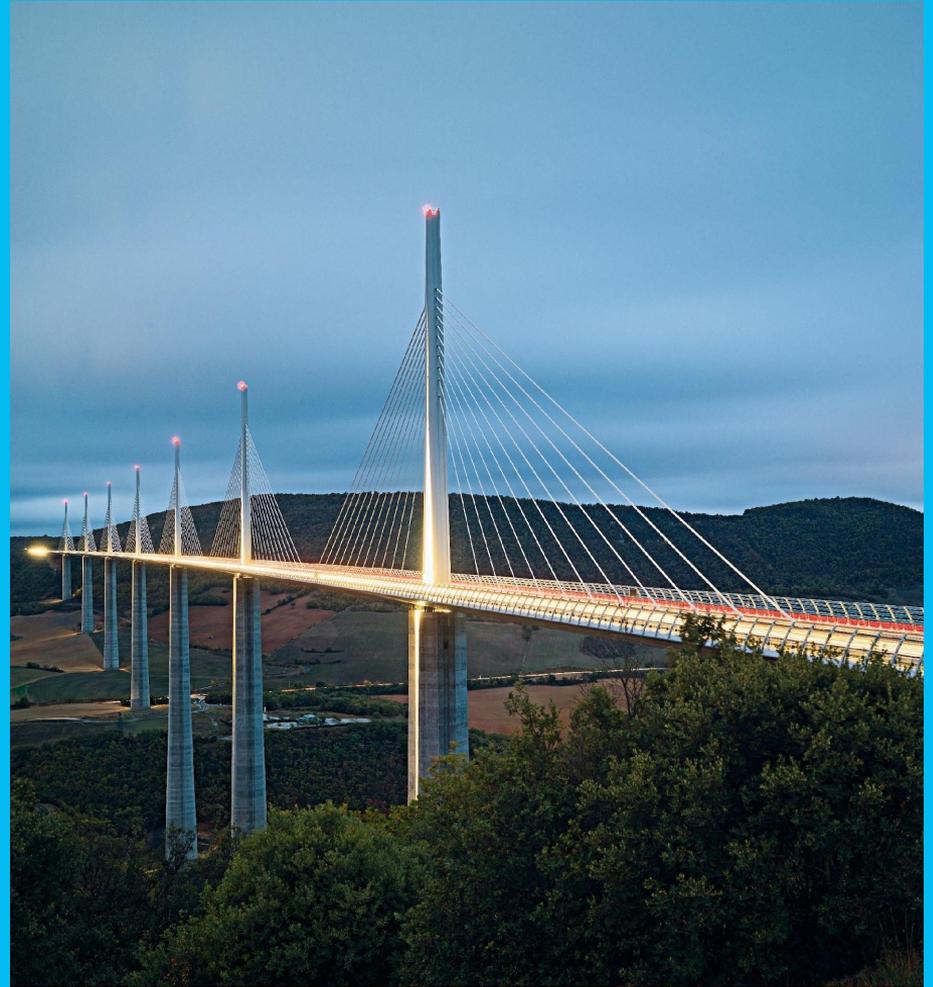




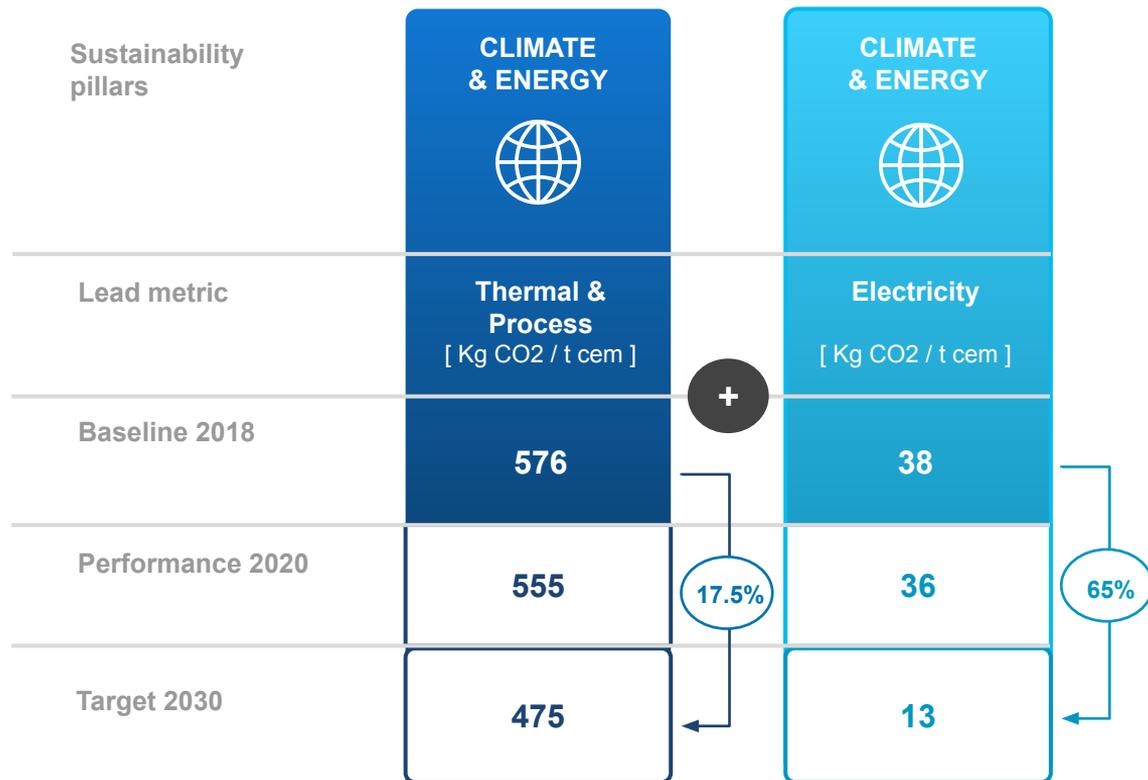
RENEWABLE ENERGY PROGRAMS

OUR SCOPE 2 TARGETS AND ROADMAP



HOLCIM TARGETS ARE CERTIFIED BY SBTi

Commitment to reduce 65% CO2 Scope 2 emissions per ton of cementitious materials by 2030



SBTi TARGET



“LafargeHolcim commits to reduce Scope 1 GHG emissions per ton of cementitious materials to 475 kg by 2030.

LafargeHolcim also commits to reduce by 65% its Scope 2 emissions per ton of cementitious materials by 2030 from a 2018 base year”

ROADMAP LEVERS TOWARDS 2030

ENERGY EFFICIENCY

- We will reduce our electrical consumption through improvements on energy efficiency in our processes.

WASTE HEAT RECOVERY

- We will optimize our power-producing assets across our production plant portfolio by installing waste heat recovery units that generate electricity from our thermal processes. We currently operate five waste heat recovery units in four countries, with a clear plan to triple the number in two phases by 2030.

RENEWABLE ENERGY PORTFOLIO

- As we progress in the phase out of our existing captive power facilities, we will continue to expand our renewable energy portfolio by collaborating with power producers, generating renewable energy on our land by installing wind turbines and solar panel farms.
- We will monitor the progressive decarbonization of the grid and the supply to reduce the carbon intensity of our purchased power where opportunities arise.

CASE STUDIES



DECARBONIZED POWER SUPPLY FROM POWER PURCHASE AGREEMENTS

Holcim Group has been active in the decarbonized supply market since 2011 (Wind Energy in Morocco)

A range of solar and wind projects are already operational in our sites in the US (Paulding, Hagerstown), Jordan (Rashidiya), India (Rabriyawas, Jamul) with a pipeline of **more than 150 MW of renewable energy**

Holcim has entered into Power Purchase Agreements with decarbonized power generators in Argentina (Wind 140 GWh, 30% of country consumption) India (160 GWh) and a pipeline of more than 500 GWh. Strong acceleration of development during H1 2021



WASTE HEAT RECOVERY: 100 MCHF INVESTMENT IN INDIA

Holcim Group has invested 100 MCHF into Waste Heat Recovery in seven cement plants in India

Installed power will amount for **85 MW** with an expected generation of **650 GWh**

Waste Heat Recovery allows to self generate power from cement process waste gases, up to 30% of the cement site consumption

Self generation will replace power generated by coal fired Captive power plants and a heavily carbonized Indian grid reducing Scope 1 and Scope 2

Our plants are expected to be commissioned in H1 2022 with an expected emission reduction of **450,000 tons of CO2** per year





HOLCIM